EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/570590	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/25 15:24
S2	4	("20030136355" | "3756456" | "4449650" | "4874299").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:08
S3	33	("0012364" | "1196552" | "1782407" | "1926074" | "2027879" | "2216703" | "2254495" | "2898860" | "3515966" | "3588291" | "3814552" | "4370107" | "4518317" | "4562385" | "4607627").PN. OR ("4874299").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:10
S4	45	("0012364" | "1196552" | "1782407" | "1926074" | "2027879" | "2216703" | "2254495" | "2809589" | "2814429" | "2898860" | "3273505" | "3410059" | "3515966" | "3572980" | "3588291" | "3814552" | "4370107" | "4518317" | "4562385" | "4607627").PN. OR ("3814552" | "4874299").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 08:52
S5	816	417/413.1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 08:53
S6	6	S5 and "high resolution"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 08:56
S7	26	"high resolution" with "linear actuator"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 08:57
S8	75	S5 and mm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:08

S9	33	("0012364" | "1196552" | "1782407" | "1926074" | "2027879" | "2216703" | "2254495" | "2898860" | "3515966" | "3588291" | "3814552" | "4370107" | "4518317" | "4562385" | "4607627").PN. OR ("4874299").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:13
S10	4	S4 and mm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:14
S11	658	"417".clas. and diaphragm and mm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:15
S12	319	"417".clas. and diaphragm and mm and piston	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:15
S13	123	"417".clas. and diaphragm and mm and piston and (solenoid or actuator)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:15
S14	241	diaphragm and (mm with piston) and (solenoid or actuator)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:21
S15	985	417/417.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:27
S16	57	417/417.ccls. and mm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:27
S17	1	"3819305".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:38
S18	0	"3819305".pn. and mm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:38
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S21	0	"417".clas. and (increments with mm with piston) and (solenoid or actuator)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:49
S22	9	(increments with mm with piston) and (solenoid or actuator)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:49
S23	1	"417".clas. and (precision).ti. and (increments with piston) and (solenoid or actuator)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:53
S24	16	(precision).ti. and (increments with piston) and (solenoid or actuator)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:53
S25	17	"417".clas. and (precision).ti. and (mm with piston) and (solenoid or actuator)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:54
S26	1	"417".clas. and (precision).ti. and (mm with piston) and (solenoid or actuator)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:54
S27	2	"417".clas. and (precision).ti. and (mm and piston) and (solenoid or actuator)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:55
S28	32	"417".clas. and (increments with piston) and (solenoid or actuator)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 09:56
S29	3	(increments with mm with plunger) and (solenoid or actuator)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:09
S30	1	(increments with mm with diaphragm) and (solenoid or actuator)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:11
S31	88	417/415.ccls. and mm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:11
S32	1387	417/415.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:12
S33	231	"417".clas. and (piston or plunger) and resolution	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:18

S34	68	"417".clas. and (piston or plunger) and resolution and mm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:19
S35	9	"417".clas. and (piston or plunger) and (resolution same mm)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:19
S37	272	"417".clas. and (piston or plunger) and mm and fuel	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:21
S38	137	"417".clas. and ((piston or plunger) same mm) and fuel	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:21
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S40	29	("0249557" | "0727069" | "2725183" | "3058140" | "3134125" | "3568712" | "3814552" | "4181477").PN. OR ("4573888").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:31
S41	35	"417".clas. and (piston or plunger) and "gear reduction" and diaphragm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:32
S42	75	417/413.1.ccls. and mm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:33
S43	350	"417".clas. and (piston or plunger) and diaphragm and mm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:37
S44	96	S43 and gear$1	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:37
S45	29	("1711803" | "1999675" | "2742785" | "3000320" | "3503307" | "3722506").PN. OR ("3947156").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:49
S46	50	"417".clas. and (precision or accuracy).ti.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:50
S47	7	"417".clas. and (precision or accuracy).ti. and mm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 10:53

S48	0	"417".clas. and (increments with mm with piston)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:30
S49	2	"417".clas. and (increments same mm same (piston or plunger))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:30
S50	13	("2774364" | "4275823" | "5060825" | "5199604" | "5388725" | "5762098" | "6269978").PN. OR ("6739478").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:33
S51	22	"417".clas. and mm and (piston or plunger) and "linear actuator"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:34
S52	56	bertheaud.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:36
S53	4	("4276003" | "4277706" | "6068198" | "7293967").PN. OR ("7537437").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:36
S54	20	("1085818" | "1580131" | "2807213" | "3204858" | "3250225" | "4182599" | "4569378" | "4639245" | "5415528" | "5577433" | "6068198" | "6079959").PN. OR ("7293967").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:38
S55	38	("0845351" | "1435892" | "1552068" | "1713219" | "2505253" | "2932255" | "4145165").PN. OR ("4276003").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:39
S56	1	S53 and mm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:42
S57	2	S54 and mm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:42
S58	1	S55 and mm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:43

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S61	616	("0012364" | "0249557" "0727069" | "0845351" "1085818" | "1172581" "1196552" | "1218903" "1345902" | "1435892" "1471820" | "1490141" "1552068" | "1580131" "1695305" | "1711803" "1713219" | "1782407" "1926074" | "1999675" "2027879" | "2216703" "2254495" | "2297084" "2442631" | "2463766" "2482464" | "2505253" "2638849" | "2679353" "2693767" | "2721024" "2725183" | "2742785" "2774364" | "2785638" "2790580" | "2807213" "2809589" | "2814429" "2853229" | "2864116" "2881749" | "2898860" "2914240" | "2932255" "2943508" | "2951131" "2951556" | "2954917" "2956188" | "2978621" "2979964" | "3000320" "3026909" | "3036529" "3058140" | "3118383"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:46

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S63	65952	(metering pump).ti.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:52
S64	26446	"417".clas. and (metering pump).ti.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:52
S65	224	"417".clas. and ("metering pump").ti.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:53
S66	16	("1966498" | "1996498" "3554673" | "4065230" "4196730" | "4288206" "4652260" | "4804368" "4976696" | "5176502" "5492535" | "5800397" "5814015").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:55
S67	0	S66 and mm	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:56
S68	267	("1383527" | "2531267" "2627270" | "2671448" "2702547" | "2879767" "3279653" | "3623474" "3701345" | "3714943" "3767875" | "3858581" "3880138" | "3886938" "3985133" | "4006736" "4024864" | "4077405" "4085747" | "4132231" "4136802" | "4191187" "4202333" | "4228922" "4298000" | "4333459" "4381006" | "4427006" "4430079" | "4435173" "4437859" | "4465474" "4469481" | "4470317" "4475666" | "4493704" "4529401" | "4544369" "4560979" | "4581509" "4627839" | "4684767" "4685903" | "4695271" "4703161" | "4741732"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 11:58

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S71	28	("20020040208" | "20020072733" | "20020077588" | "3812843" | "4652260" | "4978335" | "5110475" | "5176502" | "5176646" | "5244461" | "5317506" | "5401253" | "5528923" | "5611344" | "5647851" | "5686060" | "5690618" | "5772443" | "5806519" | "5840026" | "5896804" | "5997502" | "6063052" | "6090064" | "6317623" | "6402717" | "6402718").PN. OR ("6726650").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 12:45
S72	36	("2956188" | "2978621" | "3159758" | "3278774" | "3402308" | "3433983" | "3515966" | "3548227" | "3660704" | "3829726" | "4198872").PN. OR ("4277706").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 13:34
S73	7	417/413.1.ccls. and "linear actuator"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 13:34
S74	337	(piston with diaphragm) and "linear actuator"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 13:36
S75	53	"417".clas. and (piston with diaphragm) and "linear actuator"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 13:36

S76	2367	"417".clas. and (piston with diaphragm)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 13:38
S77	993	"417".clas. and (piston with diaphragm) and "check valve"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 13:38
S78	282	417/413.1.ccls. and (piston or plunger)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 13:39
S79	22	("1599899" | "2146398" | "2634684" | "20040131472" | "3119280" | "3373694" | "3884597" | "4035107" | "4049366" | "4050861" | "4256020" | "4993925" | "5461966" | "5518375" | "5533886" | "5554014" | "6019135").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 13:41
S80	62	(US-20030000965-$ or US-20050106051-$ or US-20040076526-$).did. or (US-4874299-$ or US-3814552-$ or US-4573888-$ or US-6267568-$ or US-6092995-$ or US-6964263-$ or US-6565333-$ or US-4883467-$ or US-4808089-$ or US-4474537-$ or US-4150924-$ or US-4150922-$ or US-3819305-$ or US-6334761-$ or US-6471025-$ or US-4021151-$ or US-6273689-$ or US-3795464-$ or US-5785508-$ or US-4743169-$ or US-3947156-$ or US-5201636-$ or US-3953152-$ or US-4936758-$ or US-4950134-$ or US-6739478-$).did. or (US-7537437-$ or US-7293967-$ or US-6068198-$ or US-4276003-$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 13:53

		4277706-$ or US-6234771-$ or US-6139288-$ or US-4509904-$ or US-5176502-$ or US-4976696-$ or US-4804368-$ or US-4652260-$ or US-4196730-$ or US-5236416-$ or US-5101679-$ or US-4336000-$ or US-7534239-$ or US-7500959-$ or US-6726650-$ or US-4838857-$ or US-4191187-$ or US-3701345-$ or US-5518375-$ or US-6884045-$ or US-6758657-$ or US-6568926-$ or US-6086340-$).did. or (US-5284425-$).did. or (US-2638849-$ or US-2869474-$ or US-3554673-$ or US-1966498-$ or US-1599899-$).did.				
S81	23	S80 and cylinder	USPAT; USOCR	OR	OFF	2010/01/26 13:54
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S83	15	("3250225" | "3769879" "3855995" | "4035107" "4265600" | "4269906" "4466339" | "4846636" "5145331" | "5192198" "5306122").PN. OR ("5452993").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 13:57
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S86	2	"417".clas. and additive and "dosing pump"	USPAT	OR	OFF	2010/01/26 15:33
S87	3	"417".clas. and additive and "dosing pump"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 15:33

S88	95	"417".clas. and additive and "fuel"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 15:33
S89	56	"417".clas. and additive and "fuel" and piston	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 15:33
S90	166	((SHINYA) near2 (YAMAMOTO)).INV.	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:35
S91	12	((SHINYA) near2 (YAMAMOTO)).INV. and additive	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:39
S92	0	((SHINYA) near2 (YAMAMOTO)).INV. and additive and piston	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:40
S93	15	((MAKOTO) near2 (YOSHIKAWA)).INV.	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:40
S94	0	((MAKOTO) near2 (YOSHIKAWA)).INV. and additive and piston	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:40
S95	7	((TAKAO) near2 (MISHINA)).INV.	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:40
S96	0	((TAKAO) near2 (MISHINA)).INV. and additive and piston	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:40
S97	20	((MAMORU) near2 (KUWAHARA)).INV.	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:40
S98	0	((MAMORU) near2 (KUWAHARA)).INV. and additive and piston	US-PGPUB; USPAT	OR	OFF	2010/01/26 15:41
S99	4396	additive and "fuel" and piston	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 15:44
S100	339	additive and "fuel system" and piston	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 15:44
S101	45	(additive with pump) and "fuel system" and piston	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 15:45
S102	9	("3620424" | "4161160" | "4621593" | "5421295").PN. OR ("6321692").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/26 15:49

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